


**RECEIVED**  
**CENTRAL FAX CENTER**

JUL 19 2005

4845 Pearl East Circle  
 Suite 300  
 Boulder, CO 80301  
 (720) 931-3000, Fax (720) 931-3001

Direct Dial Number:  
 (720) 931-3011

2345 Grand Boulevard,  
 Suite 2800  
 Kansas City, MO 64108-2612  
 (816) 292-2000, Fax (816) 292-2001

10851 Mastin Blvd.  
 Building 82, Suite 1000  
 Overland Park, KS 66210-1669  
 (913) 451-5100, Fax (913) 451-0875

1010 Market Street  
 Suite 1300  
 St. Louis, MO 63101-2000  
 (314) 613-2500, Fax (314) 613-2550

230 Park Avenue  
 Suite 1847  
 New York, NY 10169  
 (212) 850-6220, Fax (212) 850-6221

[www.lathropgage.com](http://www.lathropgage.com)

314 East High Street  
 Jefferson City, MO 65101  
 (573) 893-4336, Fax (573) 893-6398

1845 S. National  
 Springfield, MO 65808-4288  
 (417) 886-2000, Fax (417) 886-9126

1200 G Street, N.W.  
 Suite 800  
 Washington, D.C. 20005  
 (202) 434-8984, Fax (202) 434-8992

July 19, 2005

From: Curtis A. Vock

Matter No.: 414576

To:	Company:	Fax Number:	Phone Number:
Commissioner For Patents, Attn: Examiner Wendy Rae Garber	U.S. Patent Office	(571) 273-8300	

Number of Pages Transmitted (including this cover sheet): 6

## Message:

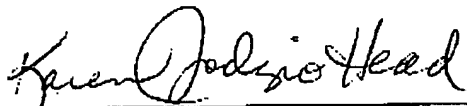
Applicant(s)	W. Thomas Cathey, Jr., et al.	Examiner	Wendy Rae Garber
Serial No.	10/786,443	Group Art No.	2612
Filed	February 25, 2004	Confirmation No.	4901
For	Non-Linear Wavefront Coding System And Methods		

If you have a problem receiving this facsimile, please call: (720) 931-3000

Fax Attendant

## CONFIDENTIALITY NOTE:

The information in this facsimile message ("fax") is sent by an attorney or his/her agent, is intended to be confidential and for the use of only the individual or entity named above. The information may be protected by attorney/client privilege, work product immunity or other legal rules. If the reader of this message is not the intended recipient, you are notified that retention, dissemination, distribution or copying of this fax is strictly prohibited. If you receive this fax in error, please notify us immediately by telephone and return it to the address above. Thank you.

<b>CERTIFICATE OF FACSIMILE TRANSMISSION 37 CFR 1.8</b>			<b>Matter No.</b>
Applicant(s): W. Thomas Cathey, Jr., et al.			414576
<b>Serial No.</b>	<b>Filing Date</b>	<b>Examiner</b>	<b>Group Art Unit</b>
10/786,443	February 25, 2004	Wendy Rae Garber	2612
<b>Invention</b> Non-Linear Wavefront Coding Systems And Methods			
<p>I hereby certify that the following: Facsimile Cover Sheet (1 page); Transmittal Form (1 page), Submission of Supplemental Declaration For Utility or Design Patent Application (1 page); Supplemental Declaration For Utility or Design Patent Application (2 pages), are being sent via facsimile transmission to Examiner Wendy Rae Garber, c/o the Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 19th day of July, 2005</p>			
<div style="text-align: right;"><b>Karen Jodzio-Head</b> <small>Name of Transmitter</small></div>			
<div style="text-align: right;"> <small>Signature of Transmitter</small></div>			
<div style="text-align: right;"><b>(571) 273-8300</b> <small>Facsimile No.</small></div>			

PTO/SB/21 (09-04)

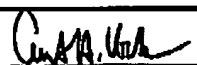
Approved for use through 07/31/2006. OMB 0651-0031

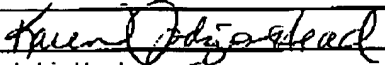
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/786,443	
	Filing Date	February 25, 2004	
	First Named Inventor	W. Thomas Cathey, Jr.	
	Art Unit	2812	
	Examiner Name	Wendy Rae Garber	
Total Number of Pages In This Submission	6	Attorney Docket Number	414576

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Submission of Supplemental Declaration For Utility Or Design Patent Application Supplemental Declaration For Utility Or Design Application Certificate of Facsimile Facsimile Cover Sheet
<b>Remarks</b>  		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm	LATHROP & GAGE LC		
Signature			
Printed Name	Curtis A. Vock		
Date	July 18, 2005	Reg. No.	38,368

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Signature			
Typed or printed name	Karen Jodzio-Head	Date	July 19, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-0199 and select option 2.

PATENT  
Attorney Docket No. 414576  
Sent Via Facsimile: (571) 273-8300

**RECEIVED**  
**CENTRAL FAX CENTER**

JUL 19 2005

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s)	W. Thomas Cathey, Jr., et al.	Examiner	Wendy Rae Garber
Serial No.	10/786,443	Group Art No.	2612
Filed	February 25, 2004	Confirmation No.	4901
For	Non-Linear Wavefront Coding System And Methods		

July 19, 2005

Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUBMISSION OF SUPPLEMENTAL DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION**

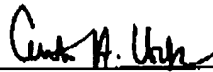
Dear Sir:

Applicants hereby submit a newly executed Supplemental Declaration For Utility Or Design Patent Application. Upon reviewing application file, Applicants' note that two separate declarations were submitted upon filing the above-referenced application. The first declaration was an Unsigned Declaration For Utility Patent Application and the second declaration was a signed Combined Declaration and Power of Attorney for Provisional Patent Application. Therefore, for clarification, Applicants have signed a new Supplemental Declaration For Utility or Design Patent Application and submit it herewith.

Applicants do not believe any fees are due with the filing of this Supplemental Declaration. However, if any fee is deemed necessary in connection with this Submission of Supplemental Declaration For Utility or Design Patent Application the Commissioner is authorized to charge that additional fee to Deposit Account No. 12-0600. Please contact the undersigned attorney for any additional information.

Respectfully submitted,

LATHROP & GAGE LLC



Curtis A. Vock, Reg. No.: 38,356  
4845 Pearl East Circle, Suite 300  
Boulder, Colorado 80301  
Tel No: (720) 931-3011  
Fax No: (720) 931-3001

PTO/SB/01 (2-8-03)

Approved for use through 07/31/2008. OMB 0831-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>SUPPLEMENTAL DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)</b>  <input type="checkbox"/> Declaration Submitted With Initial Filing      OR <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	Attorney Docket Number	414576
	First Named Inventor	W. Thomas Cathey, Jr.
	COMPLETE IF KNOWN	
	Application Number	10/788,443
	Filing Date	February 25, 2004
	Art Unit	2612
	Examiner Name	Wendy Rae Garber

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

NON-LINEAR WAVEFRONT CODING SYSTEMS AND METHODS

the specification of which

(Title of the Invention)

☐ Is attached hereto

OR

☒ was filed on (MM/DD/YYYY)

02/25/2004

as United States Application Number or PCT International

Application Number

10/788,443

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 116 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

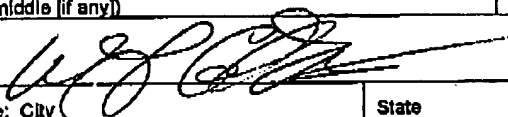
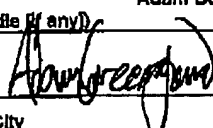
PTO/GB/01 (08-03)

Approved for use through 07/31/2008. OMB 0851-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION — Utility or Design Patent Application**

Direct all correspondence to: <input checked="" type="checkbox"/> Customer Number <u>30955</u> OR <input type="checkbox"/> Correspondence address below			
Name			
Address			
City		State	ZIP
Country		Telephone	Fax
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.			
NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name <u>W. Thomas, Jr.</u> (first and middle (if any))		Family Name <u>Cathey</u> or Surname	
Inventor's Signature 		Date <u>13 July 05</u>	
Residence: City <u>Boulder</u>	State <u>CO</u>	Country <u>USA</u>	Citizenship <u>USA</u>
Mailing Address <u>WR</u> <u>200 Alpine Way</u>			
City <u>Boulder</u>	State <u>CO</u>	Zip <u>80304</u>	Country <u>USA</u>
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name <u>Adam Douglas</u> (first and middle (if any))		Family Name <u>Greengard</u> or Surname	
Inventor's Signature 		Date <u>July 10<sup>th</sup>, 2005</u>	
Residence: City <u>Louisville</u>	State <u>CO</u>	Country <u>USA</u>	Citizenship <u>USA</u>
Mailing Address <u>1611 Cottonwood Drive # 11</u>			
City <u>Louisville</u>	State <u>CO</u>	Zip <u>80027</u>	Country <u>USA</u>
<input type="checkbox"/> Additional inventors or a legal representative are being named on the _____ supplemental sheet(s) PTO/SB02A or 02LR attached hereto.			

[Page 2 of 2]